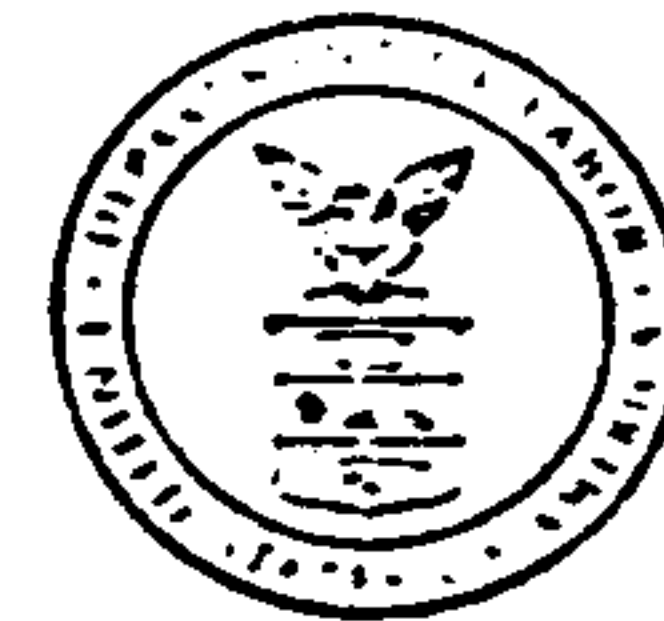


U. S. Department of Labor

Mine Safety and Health Administration
110 Gott Road
Princeton, West Virginia 24740



Beatrice file

May 1, 1980

MEMORANDUM FOR: JACK F. McMANUS
Subdistrict Manager

FROM: S. E. GASPERSICH *Se. G*
Coal Mine Safety Specialist

CLOYD BLANKENSHIP *CB*
Mining Engineer

SUBJECT: Report of Investigation of Coal Mine Bump, Beatrice Mine,
Beatrice Pocahontas Company, Keen Mountain, Buchanan
County, Virginia, March 20, 1980

After several attempts by the Richlands office to report a bump incident, the writers were notified March 25, 1980, and visited the subject mine on the following day to investigate the event that occurred about 10:30 p.m., March 20, 1980, in the No. 4 plow longwall section during a coal-producing shift. There were no injuries or property damage. The writers were accompanied by Howard Rose, safety inspector, and Ronald Pennington, Federal coal mine inspector.

The investigation revealed that six chain pillars with dimensions of 30 by 70 feet had bumped. Two of the pillars had erupted violently. It could not be ascertained when the pillars erupted in relation to one another. At the time of the bump(s), the longwall face was nearing the approach to a swag in the coalbed. It was concluded that the contributing factors that motivated the bump(s) were the depth of overburden (approximately 2,000 feet), the strength of the mine floor and roof, and the irregularity (a swag) in the coalbed. Observations were made to discern potential bump conditions along the tailgate chain pillars outby the longwall face. It was observed that the floor resisted heaving for a distance of 700 feet outby the longwall face. Volley firing of coal ribs along three chain pillars immediately outby the longwall face was recommended to the mine foreman. This area was correlated to the site of a bump incident that occurred May 8, 1978, along the headgate entry during the mining of the adjacent longwall panel.

Subsequent visits made revealed that the recommendation was followed and fractures in the floor developed as the longwall face was advanced. Periodic visits will be made to check floor conditions and determine the need for additional blasting.

Attachment

cc: Herschel H. Potter

RECEIVED

MAY 07 1980

M. E. S. A.

Richlands, Virginia 24641

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COAL MINE BUMP

BEATRICE MINE

BEATRICE POCAHONTAS COMPANY

KEEN MOUNTAIN, BUCHANAN COUNTY, VIRGINIA

March ²⁰/₂₅, 1980

Scale 1" = 100'

